

Behavior Tracking Software Enhancement and Integration of a Feedback Module, Phase I

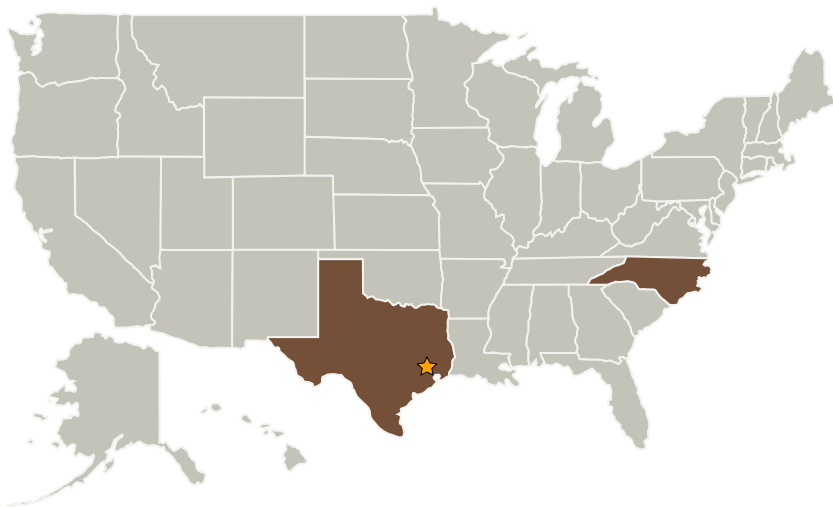
Completed Technology Project (2009 - 2009)



Project Introduction

This Company is proposing to adapt a behavioral tracking program and feedback module specifically developed for the U.S. Army Special Forces for NASA human space exploration. To achieve this, this Company has developed a plan to identify the specific technical requirements needed to modify the software to properly operate with the NASA space program. This will include ensuring the software is unobtrusive, transparent to crews, requires minimal effort, and is compatible with NASA's current computing environment. Additionally, this Company intends to use a rigorous and methodical approach for identifying specific behavioral patterns that would indicate possible crewmember health issues. The current software product is designed to monitor a soldier's behavior in austere conditions relevant to the Special Forces Operating Environment. This project is proposing to enhance the current software's capabilities by redesigning the software to monitor behavior for NASA, accept and assimilate feeds from other software (e.g., biometric information), develop feedback tools, and generate customized reports to give flight surgeons pertinent information for making informed decisions about a crewmember's health.

Primary U.S. Work Locations and Key Partners



Behavior Tracking Software Enhancement and Integration of a Feedback Module, Phase I

Table of Contents

Project Introduction	1
Primary U.S. Work Locations and Key Partners	1
Organizational Responsibility	1
Project Management	2
Technology Areas	2

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Johnson Space Center (JSC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

Behavior Tracking Software Enhancement and Integration of a Feedback Module, Phase I

Completed Technology Project (2009 - 2009)



Organizations Performing Work	Role	Type	Location
★ Johnson Space Center(JSC)	Lead Organization	NASA Center	Houston, Texas
Horizon Performance	Supporting Organization	Industry	Cary, North Carolina

Primary U.S. Work Locations

North Carolina	Texas
----------------	-------

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Technology Areas

Primary:

- TX06 Human Health, Life Support, and Habitation Systems
 - └ TX06.6 Human Systems Integration
 - └ TX06.6.1 Human Factors Engineering